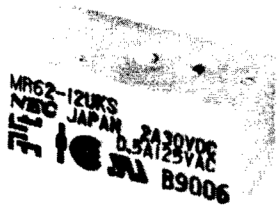
MR62 Series-K, Y, KY Type



■FEATURES

- 1500V FCC surge between open contacts (K, KY type)
- 1500V FCC surge between coil and contacts and between adjacent contacts
- 400mW nominal operate power. (Y, KY type)

■SPECIFICATIONS

Types		MR62-**K**	MR62-****Y	MR62-**K*Y
Contact Form		2 Form c		
Contact Material		Silver alloy with gold alloy overlay		
Contact Ratings	Maximum Switching Power	60 W, 125 VA		
	Maximum Switching Voltage	220 Vdc, 250 Vac		
	Maximum Switching Current	2 A		
	Maximum Carrying Current	2 A		
Minimum Contact Ratings		100 mVdc, 100 μA		
Initial Contact Resistance		50 mΩ typ.		
Nominal Operating Power		Approx. 550 mW	400 mW	
Operate Time (Excluding bounce) without diode		Approx. 2.5 ms	Approx. 3.5 ms	
Release Time (Excluding bounce) without diode		Approx. 2 ms		
Insulation Resistance		1000 MΩ at 500 Vdc		
Breakdown Voltage	Between open contacts	1000 Vac*1 1500 V surge*2	500 Vac*1	1000 Vac* 1500 surge*2
	Between adjacent contacts	1000 Vac*1		
	Between coil to contacts	1500 V surge*2		
Shock Resistance		294 m/s² (30 G) (misoperating) 980 m/s² (100 G) (destructive failure)		
Vibration Resistance		10 to 55 Hz, double amplitude 1.5 mm (10 G) (misoperating) 10 to 55 Hz, double amplitude 5 mm (30 G) (destructive failure)		
Ambient Temperature		–40 ~ +85°C		
Coil Temperature Rise at nominal voltage		40°C	35°C	
Running Specifications	Nonload	1 × 10⁷ operations		
	Load	50 Vdc, 0.1 A (resistive) 1 × 10⁶ operations at 85°C		
		10 Vdc, 10 mA (resistive) 1 × 10⁶ operations at 85°C		
Weight		Approx. 5 g		

*1 for one minute
*2 rise time 10μs, fall time 160μs

■STANDARD PART NUMBERS

at 25°C (77 °F)

Part Number	Nominal Voltage (Vdc)	Coil Resistance (Ω)±10%	Must Operate Voltage (Vdc)	Must Release Voltage (Vdc)
MR62- 5SRY	5	62.5	3.5	0.25
MR62- 6SRY	6	90	4.2	0.33
MR62- 9SRY	9	202.5	6.3	0.45
MR62-12SRY	12	360	8.4	0.68
MR62-24SRY	24	1,440	16.8	1.3
MR62-48SRY	48	5,760	33.6	2.6
MR62- 5KSR	5	42	3.5	0.25
MR62- 6KSR	6	66	4.2	0.33
MR62- 9KSR	9	140	6.3	0.45
MR62-12KSR	12	280	8.4	0.68
MR62-24KSR	24	1,050	16.8	1.3
MR62-48KSR	48	4,200	38.4	2.6
MR62- 5KSRY	5	62.5	3.5	0.25
MR62- 6KSRY	6	90	4.2	0.33
MR62- 9KSRY	9	202.5	6.3	0.45
MR62-12KSRY	12	360	8.4	0.68
MR62-24KSRY	24	1,440	16.8	1.3
MR62-48KSRY	48	5,360	38.4	2.6

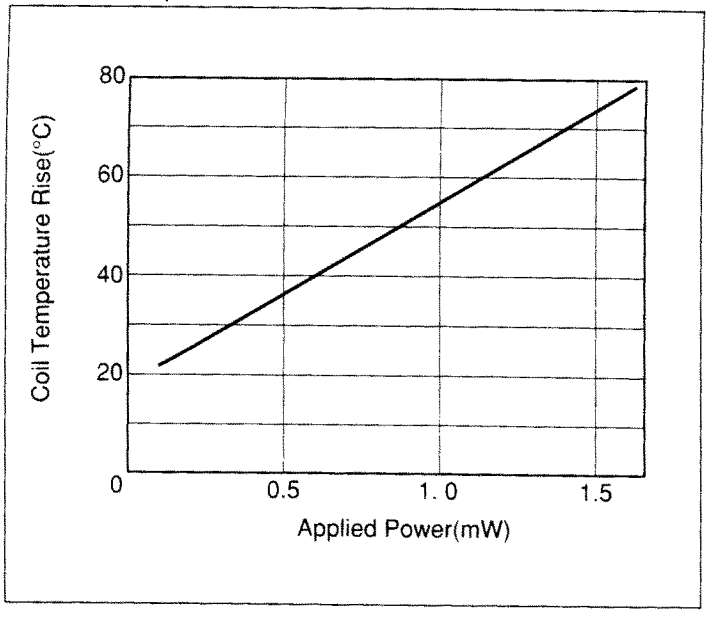
■NUMBERING SYSTEM

MR62-5UKSRY

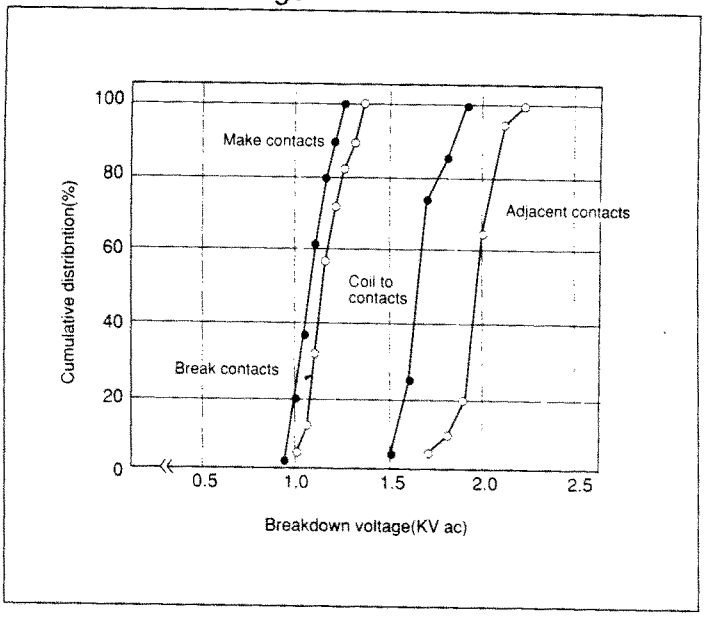
- Nominal operate power
  - Nil 550 mW
  - Y 400 mW
- Contact material
  - Nil Silver-palladium alloy with gold alloy overlay
  - R Silver-nickel alloy with gold alloy overlay
- Sealed type (Washable)
- Breakdown voltage between open contacts
  - Nil 500 Vac
  - K 1000 Vac
- Safety standard
  - Nil Standard type
  - U UL recognized CSA certified type
- Nominal coil voltage (See part numbers)

■DATA

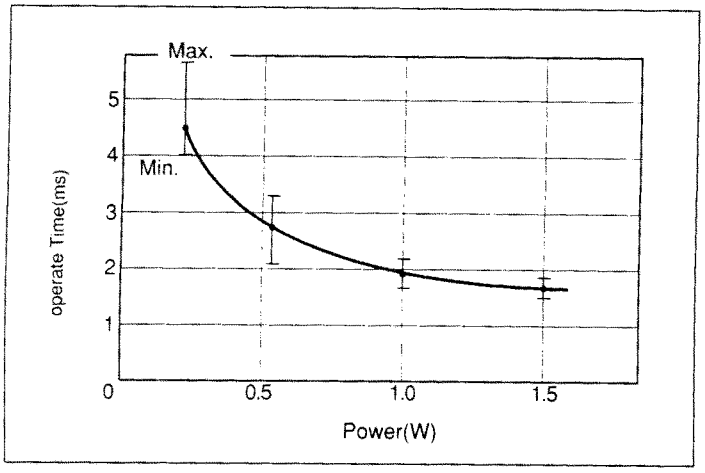
● Coil Temperature Rise



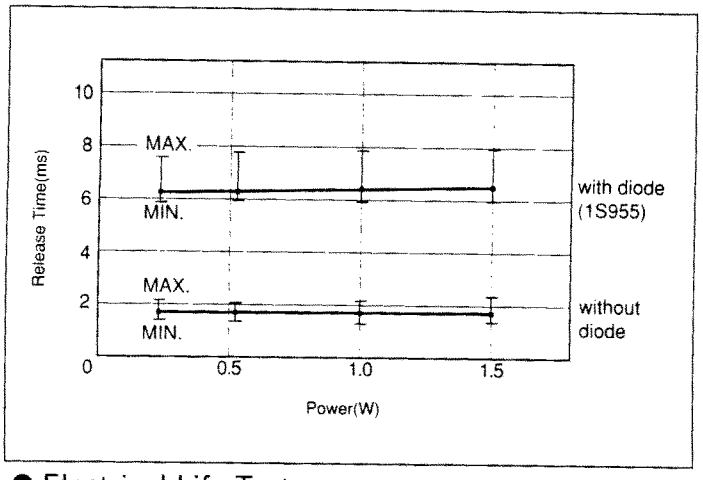
● Breakdown Voltage



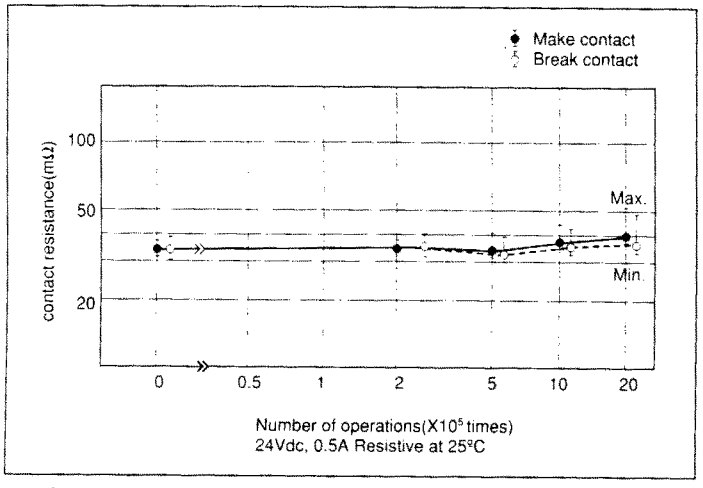
● Operate Time



● Release Time



● Electrical Life Test



Note: Sample of Electrical Life Test is MR62-12SR

● Electrical Life Test